

**Guardian Real-Time***Medtronic Diabetes***FEATURES****Transmitter/sensor size:**

1.4 x 1.1 x 0.3 in.; less than 0.25 oz.

**Receiver size:** 2 x 3.2 x 0.77 in.; 2.8 oz.

**Battery:** Rechargeable transmitter. Full charge lasts 14 days of continuous use; 20-minute charge lasts 3 days of continuous use. Receiver uses a 1.5-volt AAA battery.

**Range:** Works wirelessly for up to 6 feet.

**Warm-up time:** Takes 2 hours to be ready after inserting sensor.

**Calibration:** Every 12 hours. Blood glucose levels must be between 40 and 400 mg/dl.

**Sensor duration:** 3 days

**Interaction with blood glucose meter:** The OneTouch UltraLink meter wirelessly communicates with system.

**Communicates with insulin pump?** Yes, MiniMed Paradigm insulin pump works with Real-Time system in the same way the Guardian Real-Time device does. Users essentially control CGM from insulin pump.

**DETAILS**

A stand-alone CGM or integrated with MiniMed Paradigm insulin pump (pump serves as receiver). Model for children ages 7 to 17 is available. Alarms alert user when glucose is approaching upper or lower limits and when glucose is rising or falling rapidly. Sensor and transmitter are waterproof for up to 8 feet deep for 30 minutes.

**FreeStyle Navigator***Abbott Diabetes Care***FEATURES****Transmitter/sensor size:**

2.05 x 1.23 x 0.43 in.; 0.48 oz

**Receiver size:** 2.5 x 3.24 x 0.88 in.; 3.5 oz.

**Battery:** Transmitter uses 1 silver oxide 357 HC battery; lasts 30 days. Receiver uses 2 AAA batteries; last 60 days.

**Range:** Works wirelessly for up to 10 feet.

**Warm-up time:** Takes 10 hours to be ready after inserting sensor.

**Calibration:** Calibrate 10, 12, 24, and 72 hours after inserting sensor. Blood glucose levels must be between 60 and 300 mg/dl.

**Sensor duration:** 5 days

**Interaction with blood glucose meter:**

FreeStyle blood glucose meter is built in.

**Communicates with insulin pump?** No

**DETAILS**

A combination CGM and blood glucose meter. Alarm alerts user when glucose is approaching upper or lower limits. Sensor and transmitter are waterproof for up to 3 feet deep for 30 minutes.

**Seven Plus***DexCom***FEATURES****Transmitter/sensor size:**

1.5 x 0.9 x 0.4 in.; 0.24 oz.

**Receiver size:**

4.5 x 2.3 x 0.85 in.; 3.5 oz.

**Battery:** Transmitter has integrated battery and should be replaced after about 1 year. Rechargeable receiver. Full charge lasts 3 to 5 days.

**Range:** Works wirelessly for up to 5 feet.

**Warm-up time:** Takes 2 hours to be ready after inserting sensor.

**Calibration:** Every 12 hours. Blood glucose levels must be between 40 and 400 mg/dl.

**Sensor duration:** 7 days

**Interaction with blood glucose meter:** You can manually enter glucose reading from any meter or use a connection cable to upload readings from a OneTouch Ultra meter.

**Communicates with insulin pump?** No, but integration with the OmniPod and OneTouch Ping insulin pumps is in the works.

**DETAILS**

A stand-alone CGM. Built-in hypoglycemia safety alarm (which cannot be turned off) alerts user when glucose hits 55 mg/dl. Alarms alert users when glucose is rising or falling rapidly. Sensor and transmitter are waterproof up to 3 feet deep for 30 minutes.

